

Title (en)  
MASS LABELS

Title (de)  
MASSENMARKIERUNGEN

Title (fr)  
MARQUEUR DE MASSE

Publication  
**EP 1907860 B1 20101117 (EN)**

Application  
**EP 06765110 A 20060726**

Priority  
• GB 2006002787 W 20060726  
• GB 0515323 A 20050726

Abstract (en)  
[origin: WO2007012849A2] A mass label for labelling and detecting a biological molecule by mass spectroscopy, which label comprises the following structure: X-L-M wherein X is a mass marker moiety comprising the following group: formula (I), wherein the cyclic unit is aromatic or aliphatic and comprises from 0-3 double bonds independently between any two adjacent atoms; each Z is independently N, N(R<SUP>1</SUP>)/SUP>, C(R<SUP>1</SUP>)/SUP>, CO, CO(R<SUP>1</SUP>)/SUP>, C(R<SUP>1</SUP>)/SUP>-C<SUB>2</SUB>, O or S; X is N, C or C(R<SUP>1</SUP>)/SUP>; each R<SUP>1</SUP> is independently H, a substituted or unsubstituted straight or branched C<SUB>1</SUB>-C<SUB>6</SUB> alkyl group, a substituted or unsubstituted aliphatic cyclic group, a substituted or unsubstituted aromatic group or a substituted or unsubstituted heterocyclic group; and y is an integer from 0-10, L is a cleavable linker comprising an amide bond and M is a mass normalization moiety.

IPC 8 full level  
**G01N 33/68** (2006.01); **C07D 207/404** (2006.01); **C07D 207/46** (2006.01); **C07D 401/12** (2006.01); **C07D 403/12** (2006.01); **C07K 1/13** (2006.01); **C07K 5/078** (2006.01); **C07D 207/40** (2006.01)

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